

For Research Use Only

# MLK2 Polyclonal antibody

Catalog Number: 19974-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 19974-1-AP	<b>GenBank Accession Number:</b> NM_002446	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 133 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4294	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02779	
<b>Isotype:</b> IgG	<b>Full Name:</b> mitogen-activated protein kinase kinase kinase 10	
	<b>Calculated MW:</b> 104 kDa	
	<b>Observed MW:</b> 104-115 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : human skeletal muscle tissue, human brain tissue IHC : human pancreas cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MAP3K10, also named as MLK2 and MST, belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and MAP kinase kinase kinase subfamily. MAP3K10 activates the JUN N-terminal pathway. MAP3K10 catalyzes the reaction: ATP + a protein = ADP + a phosphoprotein. The antibody recognizes the N-term of MAP3K10. The antibody has no cross reaction to MAP3K9.

## Notable Publications

Author	Pubmed ID	Journal	Application
Luis Cedeno-Rosario	35843311	J Biol Chem	WB
Chia-Hao Huang	27377153	Lab Chip	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

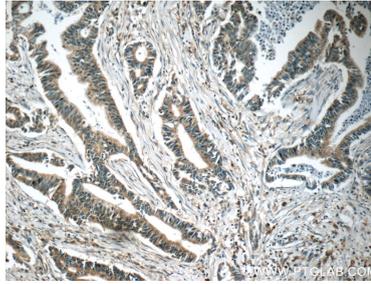
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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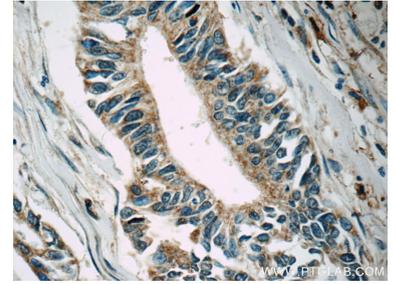
## Selected Validation Data



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 19974-1-AP (MLK2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 19974-1-AP (MLK2 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 19974-1-AP (MLK2 antibody at dilution of 1:50 (under 40x lens).